ABC LABORATORIES, INC. EAST 4922 UNION AVENUE SPOKANE, WA 99219 509-534-0161

REPORT TO:

Spokane County Dept. of Utilities

N. 811 Jefferson

Spokane, WA 99210

LAB NO: 32553-89

DATE: 6-16-89

SAMPLE DATE: May

ATTN:

Bruce Austin

P.0.#:

DESCRIPTION: Perform Volatile Organic Scan on submitted samples from the wells in the Colbert Landfill area. Analyses performed by methods outlined in proposal of December 8th, 1988.

DETECTION LIMITS: 1 part per billion

ND: Not Detected

Respectfully submitted, ABC LABORATORIES, INC.

W. E. Burkhardt

Manager

NAME	(b) (6)		(b) (6)	(b) (6)		
WELL NO.	1173L-1	1573R-1	Springs 10730-1	1573C-10	10736-1	1073P-1
Chloroform 1,1-Dichloroethane	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,1-Dichloroethylene	ND	ND	<1	ND	ND	ND
Trichlöröethylene	ND	ND	ND 30	ND	ND	ND
1,1,1-Trichloroethane Tetrachloroethylene	9 ND	ND ND	ND	ND ND	ND ND	ND ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1-Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexene	ND	NĎ	ND	ND	ND	ND
Benzene_	ND	. ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene DiBromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
0-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND	ND	ND
P-cymene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND '	עוו
O-dichlorobenzene	ND	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Brumoform Contant Tatacables (de	ND .	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane Trans 1,2-Dichloroethane	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Trans 1,2-Dichloroethylene		ND	ND	ND ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropylen		ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND ND	ND	ND	ND	ND	ND
1,1,2,-richloroethane	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND
	110	110	110	110	110	110

NAME	(b) (6)					
WELL NO.	0273D-1	11738-1	1573K-2	1073L-1	1573C-6	1573B-5
Chloroform 1,1-Dichloroethane 1,1-Dichloroethylene	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND
Trichloroethylene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	NĎ	ND	ND	ND	NĎ	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1-Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	- ND	ND	ND	NĎ
Ethylene DiBromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	· ND	ND	. ND	ND	ND
0-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND	ND	ND
P-cymene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND	ND
O-dichlorobenzene	ND	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	NĎ	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	. ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropylene		ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
1,1,2,-richloroethane	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND

NAME	(b) (6)	(b) (6)				
WELL NO.	Springs 0373P-1	1473N-1	1073M-2	0273E-2	1073E-2	02730-2
Chloroform	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	<1	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ΝĎ	ND
1,1,1-Trichloroethane	53	ND	ND	18	13	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1-Pentene	ND	ND	ND	NĎ	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene DiBromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
0-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND	ND	ND
P-cymene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND	ND
O-dichlorobenzene	ND	ND	NĎ	ND.	ND -	ND
P-dichlorobenzene	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	NĎ	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	·· ND	ND	ND
Carbon Tetrachlorida	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichlorosthane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropylene	ND	ND	NĎ	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	NĎ	ND
1,1,2,-richloroethane	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	NĎ	ND	ND	ND	ND

NAME	(b) (6)				
WELL NO.	1073L-2	1073L-4	2273A-1	1073K-1	15730-14
Chloroform 1,1-Dichloroethane	ND ND	ND ND	ND ND	ND 8	ND ND
1,1-Dichloroethylene	ND	ND	ND	5	ND
Trichloroethylene	ND	ND	ND	170	ND
1,1,1-Trichloroethane	ND	ND	ND	139	ND
Tetrachloroethylene	ND	ND	ND	2	NĎ
Methylene Chloride	ND	ND	ND	ND	ND
1-Pentene	ND	ND	ND	ND ND	ND ND
Cyclopentane	· ND ND	ND ND	ND ND	ND ND	ND ND
Trans 2-Hexene	ND	ND	ND	ND	ND
Benzene Toluene	ND	ND	ND	ND	ND
Ethylene DiBromide	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	NĎ	ND
0-xylene	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND
Cumena	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	. ND	ND	ND	ND
P-cymene	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND
O-dichlorobenzene	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND	ND
Methy) Ethy) Ketone	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND ND
1,2-Dichloropropane	ND	ND	ND	ND ND	ND
Cis 1,3-Dichloropropylene Trans 1,3-Dichloropropylene	ND ND	NĎ ND	ND ND	ND	ND ND
1,1,2,2-Tetrachloroethane	ND ND	ND	ND	ND	ND
1,1,2,-richloroethane	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND

HAXIMAN ALLOHABLE CONTAMINANT CONCENTRATIONS





Health Protection Levelat

* Health Protection Levels are not to be exceeded, during operational life of remedial action in effluents from groundwater treatment systems. Permanent reduction of contaminant concentrations below these levels throughout the site will indicate completion of the remedial action.

	NOTE	,		
	FOR IDENTIFICATION OF VILLS SEE VILL DANKE/MANGER LEGIS		Haximum Concentration	
		Contaminant	parts per billion (ug/1)	Basis
10707 TOTOS	10273A 2 0273B 3 16273C	G		
1 300	A LADOLCE MA 3	1,1,1-Trichloroethane(T	TCA) 200.0	HCL
	1 20 5 3 13 6 7 11	1.1-Dichloroethylene (D	OCE) 7.0	HCL
			CA) 4050.0	HAG
6373			TCE) 5.0	HCL .
	BUSSO BA	Tetrachloroethylene (P	CE or TETRA CL) 0.7	10 -8 cancer risk
1 1///		Hethylene Chloride (H	(C) 2.5	10 -5 cancer risk
103734 103734 - 1 10373	K 103731 5 2 2 234 02731 32	San Tare		
	SACH AL STALETREE LK	MINI	SHALLOW	
	D-00 1 2 1 2 1 1	1 73	June 16, 1989 832553-8 MELL 8 111-TCA 1: (b) 92/30-2 NO	NO NO NO NO NO
	50 th of the till the	1 30		
15375H 15375H 15-15456 837	[////N/1747-04CB-7U	05200 Possole	DEEP JUNE 16, 1989 #32553-8 MELL # 111-TCA 1: (h) (6) 92739-1 NO	
1 /2/11	077//ACB-40 A	1000	0273E-2 18	NO N
1 / 1 / 1	C3-12 CG-1/2 AS A P OCT WILL	14 /		
10738	De a de la constantina della constantina della constantina de la constantina della c	207 L TOPA	JUNE 16, 1989 #32553-8 WELL # 111-TCA 1	1-DCE 11-DCA TCE TETRACL CHLOROFORM
	CS-10 112 6CS-10	1 11 3	JUNE 16. 1989 #32553-8 WELL # 111-TCA 1: SPRINGS 0373P-15 53 SPRINGS 1073C-1 39	C1 NO NO NO NO
1 / 10 / 12 / 1	CI-22			
1/2/10/10			(b) (6) 10735-2 13	1-DCE 11-DCA TCE TETRACL CHLOROFORM
11073	1073H 173C 173	11736 12734	(b) (6) 10730-1 NO 10736-2 13 10739-1 NO	ON ON ON ON ON
16.3717	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 (1 1		10 10 10
1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Che y Che		JUNE 16. 1989 #32553-8 WELL # 111-TCA 1:	1-DCE 11-DCA TCE TETRACL CHLC9OFORM
trade. It is a second second	A WHON ER	11173K h173J	JUNE 16. 1989 #32553-8 WELL # 111-TCA 1 (b) (6) 11731-1 9	
7 / 10/2	אכלוו אכלוו ב נכנמו א	10	1073L-4 NO	ON DI NO NO ON
1/2 / 5/4 /		8	SHALLOW	1-DCE 11-DCA TCE TETRACL CHLOROFORM
Ta st		1 7.	(b) 1989 #32553-8 HELL # 111-TCA 11	5 _ 8 _ 1 _ 2 _ ND
10730 10730 10730	1073R 173N 1673P	11734 11738	DEEP	
() () () () () () () () () ()	BRAVE R.		(b) 10734-2 NO	1-DCE 11-DCA TCE TETRACL CHLOROFORM NO NO NO NO NO NO NO
10700 107000 10700	2 42	an b	1073H-2 NO F	N2 NV NV NV
MONVOOR AD 23 25 672		10753 1/5475A	SHALLOW JUNE 16, 1989 #32553-8 WELL # 111-TCA 11	1-DCE 11-DCA TCE TETRACL CHLOROFORM
1373 1373 1373	MOOLARS CT. 14736	17.55	1573C- 6 NO 1	ND ND ND ND ND ND ND ND
		1 1/2		
24 1 14 14	1			
10,324 12,321 12,34	2575H 1 1475C 2473F	14734		
Today and rocked to	- , ,	1 1 / 1		
The state of	248			
1472J 1573M 15573L 11573Z	1573J 1473M 1473L	1473K 11473J		
t ! \! \!	1	11)	JUNE 16. 1989 #32553-8 MELL # 111-TCA 11-DI	ND NO NO NO
1 15 3		11	(b) 1573C-10 ND ND ND 1573C-14 ND	NO NO NO NO
		1	. 761	
:673R 1575M 1575W 1576W	115738 114739 114739	11473Q (1473R	SHALLOW JUNE 19, 1989 #32553-8 HELL # 111-TCA 11-D (b) (6) 1473H-1 NO	CE 11-OCA TCE TETRACL CHLOROFORM
. \			(b) (6) 1473H-1 NO NO NO	NO NO NO NO
	Jane	1	DEEP	91 (151.14 (192.14)
2797 22735 4 22735 122735	23730 127730	E373A	DEEP JUNE 16. 1989 #32553-8 WELL # 111-TCA 11-D (b) 2273A-1 NO NO	NO NO NO NO
1/1/2		14	(0)	
1 1 1	1	li li		
enc - ens	18	000		
2275	23/34	53330		
		1 (/ 1/1		
1) 1/ \	BEAT RA	1) (()) (
2273H 12273L 2277H		E373K 2372		
	• #/			
	#			
	12178 - 12179 - 12179 - 101	25/54		
	- 3// II			
	NI//	1 1		